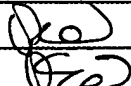
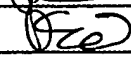
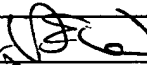


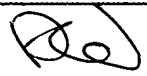

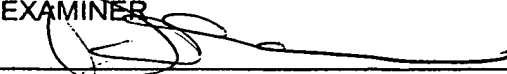
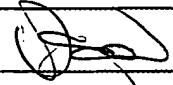
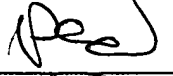
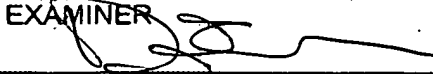
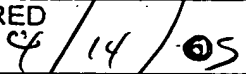


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| FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b)) | | | | Attorney Docket No.: S&ZFH020501 Appl. No.: _____ Applicant: JÜRGEN HERRE ET AL. Filing Date: November 14, 2003 Group Art Unit: _____ | | | |
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| EXAMINER INITIALS | PATENT NO. | DATE | PATENTEE | CLASS | SUB CLASS | FILING DATE |
|---|------------|-----------|----------|-----------------|--------------|----------------|
|  | A | 5,918,223 | 6/29/99 | Blum et al. | | |
|  | B | 4,964,167 | 10/16/90 | Kunizawa et al. | | |
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| FOREIGN PATENT DOCUMENT | | | | | | | |
|---|--------------|--------------|----------|---------|--------------|----------------|----|
| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB CLASS | TRANSL. YES | NO |
|  | J | 38 23 724 A1 | 2/2/89 | Germany | | | X |
|  | K | 93/24923 | 12/9/93 | WIPO | | | |
|  | L | 09293083 A | 11/11/97 | Japan | | | |
| | M | | | | | | |
| | N | | | | | | |


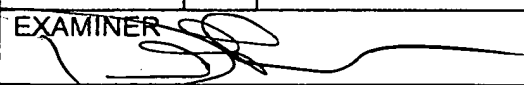
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | |
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|  | Tolonen, T. et al.: "A Computationally Efficient Multipitch Analysis Model", IEEE Transactions on Speech and Audio Processing, Vol. 8, No. 6, November 2000, pp. 708-716; |
|  | Goto, M. et al.: "Real-Time Beat Tracking for Drumless Audio Signals: Chord Change Detection for Musical Decisions", Speech Communication, Elsevier Science B.V., Vol. 27, 1999, pp. 311-335 |
| EXAMINER  | DATE CONSIDERED <u>4/14/05</u> |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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|  | | Scheirer, E. D.: "Tempo and Beat Analysis of Acoustic Musical Signals", Acoustical Society of America, Vol. 103, No. 1, January 1998, pp. 588-601 | | | | | |
|  | | Brown, J. C.: "Determination of the Meter of Musical Scores by Autocorrelation", The Journal of the Acoustical Society of America, Acoustical Society of America, Vol. 94, No. 4, October 1993, pp. 1953-1957 | | | | | |
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| EXAMINER INITIALS | A | PATENT NO. | DATE | PATENTEE | CLASS | SUB CLASS | FILING DATE |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | |
|---|---|
|  | Scheirer, E. D.: "Pulse Tracking With a Pitch Tracker", IEEE ASSP Workshop on New Paltz, October 19, 1997, four pages |
| EXAMINER  | DATE CONSIDERED 4/14/05 |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |